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In Re Application of:

A. Bart Flick, M.D.

Serial No.: 10/660,209

Filed: September 10, 2003

Confirmation No.: N/A

Group Art Unit: Unknown

Examiner: Unknown

Docket No. 120101-1070

For: MULTILAYER CONDUCTIVE APPLIANCE HAVING WOUND HEALING AND ANALGESIC PROPERTIES

The following is a list of documents enclosed:

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

A. Bart Flick, M.D.

Serial No.: 10/660,209

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Confirmation No.: N/A

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Examiner: Unknown

Docket No. 120101-1070

MULTILAYER CONDUCTIVE APPLIANCE HAVING WOUND HEALING AND For: **ANALGESIC PROPERTIES**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

on the form PTO 1449 and is enclosed herewith.

Sir:	This int	formation disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:
		under 37 CFR 1.97(b), or (within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
		under 37 CFR 1.97(c) together with either a: Statement Under 37 C.F.R. 1.97(e), or a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
		under 37 CFR 1.97(d) together with a: Statement under 37 CFR 1.97(e), and a \$180.00 petition fee set forth in 37 CFR 1.17(p). (Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)
	y of this	d is a check in the amount of \$. Please charge \$ to deposit account . At any time during the application, please charge any fees required to Deposit Account pursuant to 37 CFR 1.25. The hereby requested to credit any overpayment to Deposit Account No. 20-0778.
	non-U.S may not	int(s) submit herewith Form PTO 1449A - Information Disclosure Statement by Applicant together with copies of a patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or be material to the examination of this application and for which there may be a duty to disclose in accordance CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.
	other for 37 CFR is cited	se explanation of the relevance of foreign language patents, foreign language publications and reign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent in a search report or other action by a foreign patent office in a counterpart foreign application, an English eversion of the search report or action which indicates the degree of relevance found by the foreign office is listed

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. Any statements or identifications regarding the relevance of any portion(s) of cited references should not be construed as a representation that the most relevant portion(s) have been identified, and the absence of such statements or identifications should not be construed as representations that there are no relevant portion(s). The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

THOMAS, KAYDEN, HORSTEMEYER

& RISLEY, L.L.P.

By:

Charles Vorndran, Reg. No. 45,315

100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948 770-933-9500

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INFORMATION DI **OSURE CITATION**

120101-1070

Serial No. 10/660,209

Applicant

A. Bartholomew Flick

Attorney Docket No.

Filing Date Sentember 11, 2003 Group N/A

(Use several sheets if necessary)

				Septem	ber 11, 2003	N/A	
			U.S. PAT	TENT DOCUMENTS		-	
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	1	2,934,066	4/26/1960	Stowasser	128	156	5/12/1958
-	2	3,326,213	6/20/1967	Gallagher	128	156	7/9/1964
	3	3,420,233	1/7/1969	Kanof	128	260	11/24/1965
•	4	3,596,657	8/71	Eidus	128	156	2/14/69
	5	3,800,792	4/2/1974	McKnight et al.	128	156	4/17/1972
	6	3,830,908	8/20/1974	Klippel et al.	424	28	7/23/1971
	7	3,934,066	1/20/1976	Murch	428	248	7/18/1973
	8	3,964,477	6/22/1976	Ellis et al.	128	172.1	1/30/1975
	9	4,027,393	6/7/1977	Ellis et al.	32	10A	9/19/1975
	10	4,034,750	7/12/1977	Seiderman	128	155	4/22/1975
	11	4,142,521	3/6/1979	Konikoff	128	82.1	12/23/1976
	12	4,291,125	9/22/1981	Greatbatch	435	240	1/16/1980
	13	4,297,995	11/3/1981	Golub	128	156	6/3/1980
	14	4,313,438	2/2/1982	Greatbatch	128	207.21	7/14/1980
	15	4,476,590	10/16/1984	Scales et al.	3	1.91	3/26/1981
	16	4,528,265	7/9/1985	Becker	435	172.1	5/11/1982
	17	4,529,623	7/16/1985	Maggs	427	227	9/13/1983
	18	4,541,426	9/17/1985	Webster	128	156	4/3/1984
	19	4,551,139	11/5/1985	Plaas et al.	604	290	2/8/1982
	20	4,563,184	1/7/1986	Korol	604	368	10/17/1983
	21	4,600,001	7/15/1986	Gilman	128	156	8/15/1984
	22	4,606,338	8/19/1986	Greenway et al.	128	156	5/6/1985
	23	4,615,705	10/7/1986	Scales et al.	623	11	4/24/1984
	24	4,619,252	10/28/1986	Ibbott	128	82.1	4/16/1984
	25	4,635,624	1/13/1987	Gilman	128	156	5/15/1985
	26	4,646,730	3/3/1987	Schonfeld et al.	728	156	5/23/1986
	27	4,671,266	6/9/1987	Lengyel et al.	128	156	2/5/1986
	28	4,728,323	3/1/1988	Matson	604	304	7/24/1986
	29	4,747,845	5/31/1988	Korol	604	368	1/3/1986

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INFORMATION DISC **OSURE CITATION**

Attorney Docket No. 120101-1070

Serial No. 10/660,209

Applicant

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			U.S. PAT	TENT DOCUMENTS			
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	30	4,757,804	7/19/1988	Griffith et al.	128	1.5	8/25/1986
•	31	4,767,401	8/30/1988	Seiderman	604	20	8/26/1982
	32	4,781,705	11/1/1988	Shepherd et al.	604	289	6/16/1987
•	33	4,798,603	1/17/1989	Meyer et al.	604	378	10/16/1987
	34	4,817,594	4/4/1989	Juhasz	128	155	4/18/1986
	35	4,818,697	4/4/1989	Liboff et al.	435	173	10/27/1986
	36	4,825,877	5/2/1989	Kempe	128	846	3/30/1987
	37	4,847,049	7/11/1989	Yamamoto	422	24	3/20/1987
	38	4,886,505	12/12/1989	Haynes et al.	604	265	6/7/1985
	39	4,889,530	12/26/1989	Smith	604	304	7/22/1988
	40	4,909,244	3/20/1990	Quarfoot	128	156	11/26/1986
	41	4,911,688	3/27/1990	Jones	604	20	3/27/1990
	42	4,932,951	6/12/1990	Liboff et al.	606	13	3/23/1988
	43	4,935,087	6/19/1990	Gilman	156	251	10/11/1988
	44	4,960,413	10/2/1990	Sagar et al.	604	289	2/13/1989
	45	4,979,946	12/25/1990	Gilman	604	307	4/7/1989
	46	4,984,570	1/15/1991	Langen et al.	128	156	9/14/1989
	47	4,990,144	2/5/1991	Blott	604	304	6/8/1989
	48	4,997,425	3/5/1991	Shioya et al.	604	304	3/29/1990
	49	5,018,515	5/28/1991	Gilman	128	155	12/14/1987
-	50	5,018,516	5/28/1991	Gilman	128	155	12/22/1989
	51	5,042,466	8/27/1991	McKnight	128	155	2/9/1988
	52	5,049,139	9/17/1991	Gilchrist	604	265	8/26/1988
	53	5,056,510	10/15/1991	Gilman	128	155	1/5/1990
	54	5,133,199	7/28/1992	Parikh et al.	66	192	10/11/1991
	55	5,147,338	9/15/1992	Lang et al.	604	304	6/17/1991
	56	5,158,555	10/27/1992	Porzilli	604	307	4/6/1990
	57	5,167,613	12/1/1992	Karami et al.	602	42	3/23/1992

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INFORMATION SURE CITATION

Attorney Docket No. **120101-1070**

Serial No. 10/660,209

Applicant

A. Bartholomew Flick

Filing Date
September 11, 2003

Group N/A

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS Examiner Item Document Date Class Subclass Filing Date Name Initials Number If Appropriate 58 11/30/1993 5,266,371 Sugii et al. 428 40 9/1/1992 59 3/8/1994 5,292,589 Shepherd et al. 428 412 3/8/1994 60 5,308,313 5/3/1994 Karami et al. 602 55 9/15/1992 61 5,322,520 6/21/1994 Milder 604 265 11/12/1992 62 5,324,275 6/28/1994 Raad et al. 604 265 10/2/1992 63 5,333,753 8/2/1994 221 Etheredge 33 12/6/1993 64 5,340,363 8/23/1994 Fabo 604 304 3/12/1990 65 5,374,283 12/20/1994 Flick 607 46 12/1/1993 66 5,429,590 7/4/1995 Saito et al. 602 48 11/30/1993 67 5,429,591 7/4/1995 Yamamoto et al. 602 54 8/5/1993 68 5,454,886 10/3/1995 Burrell et al. 148 565 11/18/1993 69 5,465,735 11/14/1995 Patel 128 888 12/1/1994 70 5,470,576 11/28/1995 Patel 424 445 10/4/1993 71 5,470,585 4/12/1995 11/28/1995 Gilchrist 424 604 72 4/30/1996 5,512,041 **Bogart** 602 58 10/7/1994 73 5,520,664 5/28/1996 Bricault et al. 265 604 1/11/1994 74 5,543,151 8/6/1996 Shirai et al. 424 448 5/4/1994 75 5,571,079 11/5/1996 Bello et al. 602 46 12/30/1994 76 5,571,521 11/5/1996 Lasker 424 409 2/13/1995 77 5,607,683 3/4/1997 Capelli 424 6/7/1995 405 78 5,632,731 5/27/1997 Patel 602 59 11/25/1994 79 5,681,575 10/28/1997 Burrell et al. 424 423 5/7/1993 80 5,695,857 12/9/1997 Burrell et al. 428 209 12/9/1997 81 5,753,251 5/19/1998 Burrell et al. 424 426 6/2/1995 82 5,770,255 6/23/1998 Burrell et al. 427 2.1 9/29/1993 83 5,779,659 7/14/1998 Allen 602 75 3/18/1997 84 7/21/1998 5,782,788 Widemire 602 48 3/21/1997 85 5,814,094 9/29/1998 Becker et al. 607 50 3/28/1996

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Attorney Docket No. **120101-1070**

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Applicant

A. Bartholomew Flick

Filing Date
September 11, 2003

Group N/A

				S	eptember 11, 2003	N/A		
			U.S. PA	TENT DOCUMENTS				
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing If Appro	
	86	5,836,970	11/17/1998	Pandit	606	213	8/2/19	996
•	87	5,921,948	7/13/1999	Kawaguchi et al.	602	52	11/22/	1996
	88	5,974,344	10/99	Shoemaker, II	607	149	3/2/9	98
•	89	6,004,667	12/21/1999	Sakurada et al.	428	323	6/30/1	994
	90	6,087,549	7/11/2000	Flick	602	41	9/22/1	997
	91	6,139,856	10/31/2000	Kaminska et al.	424	404	12/11/1	1997
	92	6,210,704	4/3/2001	Sasaki et al.	424	443	1/7/20	000
	93	6,245,959	6/12/2001	Ohira et al.	602	41	1/20/1	999
	94	08/707,779		Becker et al.			9/3/19	996
	95	09/613,961		Flick			7/11/2	2000
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	Item	Document Number	Publication Date	Country	Class	Subclass	Translation	
						•	Yes	No
	F1	EP 0128338	Dec. 19, 1984	EP			Х	
	F2	EP 0254413	Jan. 27, 1988	EP			Х	
	F3	EP 0291587	Nov. 23, 1988	EP			Х	
	F4	EP 0344090	Nov. 29, 1989	EP			х	
	F5	EP 0354315	Feb. 14, 1990	EP		,	Х	
	F6	EP 0392640	Oct. 17, 1990	EP			х	1
•	F7	GB 2127389	Apr. 11, 1984	United Kingdom			х	†
	F8	GB 2188135	Sep. 23, 1987	United Kingdom			х	
	F9	WO 90/08470	Aug. 9, 1990	WO		·	х	
	F10	WO 91/11206	Aug. 8, 1991	WO			Х	
	F11	WO 92/13491	Aug. 20, 1992	WO			Х	
	F12	WO 99/15101	Apr. 1, 1999	WO			Х	
	F13	WO 00/25726	May 11, 2000	WO			X	$\overline{}$

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	•			Page 5 of 5			
Form PTO-	1449		Attorney Docket No. 120101-1070	Serial No. 10/660,209			
INI	FOR	RMARON DISCLOSURE CITATION	Applicant A. Bartholomew Flick				
		(Use several sheets if necessary)	Filing Date September 11, 2003	Group N/A			
•		OTHER DOCUMENTS (Including Author, Title, L	ate, Pertinent Pages, etc.)				
	1	Becker R.O. and Spadaro J.A., <i>Treatment of Orthopaedic Infection</i> Bone and Joint Surgery, October 1978, Vol. 60-A, No. 7, pp. 871	ons with Electrically Generated & -881.	Silver Ions, Journ. of			
	2	Berger T.J., Spadaro J.A., Bierman, R., Chapin S.E., Becker R.O <i>Metallic Ions.</i> , Atimicrobial-Agents and Chemotherapy, Nov. 197	., Antifungal Properties of Electr 76, Vol. 10, No. 5, pp. 856-860.	ically Generated			
•	3	Foulds, I.S. and Barker A.T. <i>Human skin battery potentials and t</i> Dermatology, March 1983, 109 pp. 515-522.	heir possible role in wound heal	ing, British Jorn. of			
•	4	Friedenberg Z.B. Bioelectric Potentials in Bone. Journ. of Bone a 923.	and Joint Surgery, July 1966, Vo	l. 48-A, No. 5, pp. 915-			
	5	Illingworth, C.M and Barker A.T. Measurement of Electrical Cur Finger Tips in Children, Clin. Phys. Physiological Measurements	rrents Emerging During the Rega , 1980, Vol. 1, No. 1, pp. 87-89.	eneration of Amputated			
	6	Jaffe, L.F. and Vanable J.W., Jr. Electric Fields and Wound Head 2, No. 3, pp. 34-44.	ling, Clinics in Dermatology, July	y-September 1984, Vol.			
	7	McCaffery M., Pasero C., Pain: Clinical Manual, Second Edition	n, Mosby, pp.62-65.				
	8	Ohnhaus E.E. and Adler R. Methodological Problems in the Measurement of Pain: A Comparison Between the Verbal Rating Scale and the Visual Analouge Scale, Pain, 1975, Elsevier/North-Holland, Amsterdam, pp. 379-384.					
	Pain Assessment and Management: An Organizational Approach, Joint Commission, Chapter Three: Assessment of Persons with Pain, pp. 13-25.						
	10	Smee L., The Effectiveness of Silver Nylon Cloth and Silver Sulfadiazine Cream as Antiseptics, Piedmont College Senior Thesis, April 1996, USA.					
	11	Sriwatanakul K., Kelvie W., Lasagna L., Calimlim, J.F., Weis O.F., Mehta G. Studies with Different Types of Visual Analog Scales for Measurement of Pain, Dept. of Pharmacol. Ther., August 1983, pp. 234-239.					
	12	Spadaro J.A., Berger T.J., Barranco S.D., Chapin S.E., Becker R. Direct Current, Atimicrobial-Agents and Chemotherapy., Nov. 1	O. Antibacterial Effects of Silver 974, Vol. 6, No. 5, pp. 637-642.	Electrodes with Weak			
	13	Vanable J.W., Jr. Integumentary Potentials and Wound Healing,	Elec. Fields In Vertebrate Repair	r, 1989, pp 171-224			
	14	Westaim Biomedical Commercial Literature, bearing 1988 Copyr	right notice and product label bea	ring Acticoat. RTM.			
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